Author Index of Volume 179

Adachi, F., 3
Ali, A., 245
Alonso, E., 149
Anjian Lan, 179
Araki, K., 293

Bailey, N. A., 1
Bakhmutov, V. I., 195
Baldas, J., 151, 189
Bell, N. A., 73
Bensely, D., 281
Berwerth Stucchi, E., 67
Bhirud, R. G., 125
Blower, P. T., 203
Boas, J. F., 151
Bonnyman, J., 151
Bontempelli, G., 105
Botao Zhuang, 179
Bradshaw, J. E., 7
Burger, K., 83

Castiñeiras, A., 171
Castro, I., 59
Clark, J. H., 41
Coichev, N., 133
Colmanet, S. F., 151, 189
Constable, E. C., 239
Cotton, F. A., 11
Crawford, P. W., 25

Daniele, S., 105
Davies, G., 245
Davison, A., 53
Diaz, W., 59
Dilli, S., 209
Dilworth, J. R., 203
Dobos, S., 255

El-Hendawy, A. M., 223

Farrar, D. H., 271
Faus, J., 59
Fedin, V. P., 35
Fedorov, V. Ye., 35
Fenton, D. E., 1
Frost, D. C., 113

Galy, J., 167
Gayoso, E., 171
Gayoso, M., 171
Gentil, L. A., 89
Ghiorghis, A., 281
Green, D., 281
Gukathasan, R. R., 271
Gumaer, E., 47
Gusev, D. G., 195

Haber, V., 267
Hacker, M. P., 289
Hammer, C. F., 281
Handa, M., 3
Hatfield, W. E., 275
Hiller, W., 171
Hodgson, D. J., 275
Hongliang Hu, 113
Horváth, A., 97

Inoue, K., 139
Isagawa, K., 155
Iwasawa, H., 3

Jiaxi Lu, 179
Jing-Long Du, 113
Jones, A. G., 53
Jones, C. W., 41
Julve, M., 59
Jurkschat, K., 83

Kamiusuki, T., 139
Kazarian, S. G., 255
Khan, M. S., 239
Khokhar, A. R., 289
Kida, S., 139
Kitaura, E., 139
Koikawa, M., 3
Korecz, L., 83

Larkworthy, L. F., 157
Lee, D. W., 7
Lettko, K., 47
Lewis, J., 239
Liangren Huang, 179
Lingjie He, 179
Liptrot, M. C., 239
Lokshin, B. V., 255
Luck, R. L., 11
Lunniss, J. A., 271

Ma, L., 47
Macherone, D., 47, 203
Mahmood, A., 53
Maitra, A. M., 209
March, L. A., 73
Martelli, M., 105
Massabni, A. M. G., 67
McLean, C. H., 1
Méndez-Vivar, J., 77
Mikuriya, M., 3
Morgan, G., 53
Mosset, A., 167
Mostafa, M. A., 83
Moy, S. A., 7
Muñoz, M. C., 59

Najmuddin, K., 117
Navaza, A., 89
Neves, E. A., 133
Nicholson, T., 53
Nowell, I. W., 73

Ōkawa, H., 3, 139
Olabe, J. A., 89
Onishi, M., 155
Operti, L., 161
Ortigueira, J. M., 171
Owens, B. E., 229

Patsalides, E., 209
Paul, B. C., 17
Peihua Yu, 179
Poddar, R. K., 17
Poli, R., 229
Ptáček, P., 267

Raithby, P. R., 239
Rajczy, P., 83

Ribiero, S. J. L., 67
Rigotti, G. E., 89
Robles-Martínez, J. G., 149
Ryan, M. D., 25

Salmerón-Valverde, A., 149
Sarma, U. C., 17
Schein, P. S., 281
Schmid, R., 167
Sengupta, S. K., 157
Shamsuddin, S., 117
Sokolov, M. N., 35
Solans, X., 59
Son, K.-A., 11
Soriano, C., 149
Srivastava, T. S., 125
Strähle, J., 171
Struchkov, Yu. T., 35
Szőke, J., 97

Talebian, A. H., 281
Taqui Khan, B., 117
Thompson, R. C., 113
Toma, H. E., 293
Towle, D. K., 275
Tzschach, A., 83

Vaglio, G. A., 161
van Eldik, R., 133
Venkatasubramanian, K., 117
Vila, J. M., 171
Volpe, P., 161
Vymenits, A. B., 195

Weichmann, H., 83
Williams, G. A., 151, 189
Wilson, L. J., 7
Wojnárovits, L., 97

Yufit, D. S., 35

Zakeeruddin, S. M., 117
Zehe, A., 149
Zubieta, J., 47, 203

Elsevier Sequoia/Printed in Switzerland

Subject Index of Volume 179

Alkoxide complexes
  new precursors in chemistry of IVB transition metal alkoxides; synthesis and molecular structure of $Zr_2Co_4(\mu_6\text{-}O)(\mu_2\text{-}OC_3H_7)_8(OC_3H_7)_2(acetylacetone)_4$, 167
Amine complexes
  aspartato(1,2-cyclohexanediamine)Pt(II) complexes; synthesis and characterization; effects of minor impurities on antitumor activity, 281
  chemical and biological characterization of series of water soluble 1,2-diaminocyclohexane Pt(II) complexes, 289
  synthesis and characterization of Cu(II) iodo complexes of diethylenetriamine; isolation of iodo-bridged Cu(II) chain, 275
Antitumor activity
  aspartato(1,2-cyclohexanediamine)Pt(II) complexes; synthesis and characterization; effects of minor impurities on antitumor activity, 281
  chemical and biological characterization of series of water soluble 1,2-diaminocyclohexane Pt(II) complexes, 289
Aquo complexes
  preparation of Tc(VI) aquanitrido complexes $(NEt_4)[TcNX_4(OH)_2]$ (X = Cl or Br); crystal structures of $(NEt_4)[TcNBr_4(OH_2)]$ and $Cs_2[TcNCl]_5$, 189
Azide complexes
  stability of Mn(III) and its redox reaction with Co(II) in aqueous azide medium, 133
  synthesis and X-ray structural characterisation of [(2-aminoethyl)pyridine]Cu(II) azide, 1

Bidentate ligand complexes
  attempts to prepare 17-electron $(\eta^5\text{-}C_5H_5)MoX_2(dmpe)$ (X = Cl, Br, I; dmpe = bis(dimethylphosphino)ethane) compounds; formation and X-ray molecular structure of $(\eta^5\text{-}C_5H_5)MoCl_3(dmpe)$ and $[(\eta^5\text{-}C_5H_5)Mo(dmpe)_2][MoBr_4(dppe)]$ (dppe = bis(diphenylphosphino)ethane), 229
  binuclear metal(II) (M = Co, Cu) complexes of 3,5-bis{*N*,*N*-bis[2-(diethylamino)ethyl]aminomethyl}-pyrazole, 139
  chemical and biological characterization of series of water soluble 1,2-diaminocyclohexane Pt(II) complexes, 289
  cooperativity in metal exchange reactions of bis-(acetylacetonato)Cu(II) with $Co(NS)_2$ and $Zn(NS)_2$ reagents in methylene chloride, 245
  synthesis, characterization and superoxide dismutase activity of some ternary Cu(II) dipeptide–2,2′-bipyridine, 1,10-phenanthroline and 2,9-dimethyl-1,10-phenanthroline complexes, 125
Binuclear complexes
  binuclear metal(II) (M = Co, Cu) complexes of 3,5-bis{*N*,*N*-bis[2-(diethylamino)ethyl]aminomethyl}-pyrazole, 139
Biological activity
  chemical and biological characterization of series of water soluble 1,2-diaminocyclohexane Pt(II) complexes, 289

Carbonyl complexes
  doubly charged ions in mass spectra of mono- and binuclear metal carbonyl derivatives, 161
  FT-IR study of surface species derived from $[(\eta\text{-}C_5H_5)Ru)CO)_2]_2$ on oxide supports, 255
Catalysis
  Os(III)*o*-semiquinonato complexes and their use as catalysts for oxidation of alcohols, 223
  reactivity and catalytic activity of $[RuBr_2(Me_2SO)_3]$, 17
Chelate complexes
  attempts to prepare 17-electron $(\eta^5\text{-}C_5H_5)MoX_2(dmpe)$ (X = Cl, Br, I; dmpe = bis(dimethylphosphino)ethane) compounds; formation and X-ray molecular structure of $(\eta^5\text{-}C_5H_5)MoCl_3(dmpe)$ and $[(\eta^5\text{-}C_5H_5)Mo(dmpe)_2][MoBr_4(dppe)]$ (dppe = bis(diphenylphosphino)ethane), 229
  chemical and biological characterization of series of water soluble 1,2-diaminocyclohexane Pt(II) complexes, 289
  cooperativity in metal exchange reactions of bis(acetylacetonato)Cu(II) with $Co(NS)_2$ and $Zn(NS)_2$ reagents in methylene chloride, 245
  synthesis and characterization
    of Cu(II) iodo complexes of diethylenetriamine; isolation of iodo-bridged Cu(II) chain, 275
    of $[M(C_8H_5N_2N{=}NH)_3](BPh_4)$, where M = Tc or Re; tris-diazene chelate complexes of Tc(I) and Re(I), 53
Chiral ligand complexes
  synthesis and complexation of new chiral α-diimine-type bioxazoline ligand with C_2 symmetry, 155
Cluster complexes
  reactions of triangular $Mo_3S_7X_6^{2-}$ (X = Cl, Br, NCS) complexes with KSCN and KSeCN, resulting in stereoselective substitution of S atom in asymmetrically coordinated $\mu_2\text{-}S_2$ ligand; X-ray structure of $(PPN)_2Mo_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)_3Cl_6$, 35
  synthesis of Os_3Pt clusters; X-ray crystal structure of $Os_3Pt(CO)_{11}(PPh_3)_2$, 271
Cobalt complexes
  binuclear metal(II) (M = Co, Cu) complexes of 3,5-bis{*N*,*N*-bis[2-(diethylamino)ethyl]aminomethyl}-pyrazole, 139
  mononitrosyl derivatives of Fe and Co complexes of quadridentate ligands from 2-hydroxy-1-naphthaldehyde and ethylenediamine, *o*-phenylenediamine, and 4-methyl-*o*-phenylenediamine, 157
  stability of Mn(II) and its redox reaction with Co(II) in aqueous azide medium, 133
  synthesis and electrochemical behavior of tetrametallated Co porphyrin, 293

Elsevier Sequoia/Printed in Switzerland

Copper complexes
binuclear metal(II) (M = Co, Cu) complexes of 3,5-bis{*N*,*N*-bis[2-(diethylamino)ethyl]aminomethyl}-pyrazole, 139
cooperativity in metal exchange reactions of bis(acetylacetonato)Cu(II) with $Co(NS)_2$ and $Zn(NS)_2$ reagents in methylene chloride, 245
μ-imidazolato [Mn(III)–Cu(II)] metalloporphyrin complex with novel ESR characteristics, 7
interaction between $[Cu(bipy)]^{2+}$ and oxalate in dimethyl sulfoxide; crystal structure of $[Cu_2(bipy)_2(H_2O)_2ox]SO_4 \cdot [Cu(bipy)ox]$, 59
regio-isomerism in tetradentate Schiff bases and their Cu(II) complexes, 209
stabilisation and characterisation by IR spectroscopy of different bonding modes of Cu(I) thiocyanate adsorbed on high surface area solids, 41
synthesis and characterization of Cu(II) iodo complexes of diethylenetriamine; isolation of iodo-bridged Cu(II) chain, 275
synthesis, characterization and superoxide dismutase activity of some ternary Cu(II) dipeptide–2,2′-bipyridine, 1,10-phenanthroline and 2,9-dimethyl-1,10-phenanthroline complexes, 125
synthesis and X-ray structural characterisation of [(2-aminoethyl)pyridine]Cu(II) azide, 1
XPS study of poly-bis(μ-di-n-alkylphosphinato)Cu(II) compounds, 113
Crystal structure(s)
of $[Ag_2L_2][BF_4]_2$ (L = 1,11-bis(2′-hydroxyethyl)-4,8;12,16;17,21-trinitrilo-1,2,10,11-tetraazacyclohenicosa-2,4,6,9,12,14,18,20-octaene), 239
of [(2-aminoethyl)pyridine]Cu(II) azide, 1
of $(\eta^5\text{-}C_5H_5)MoCl_3$(dmpe) and $[(\eta^5\text{-}C_5H_5)Mo(dmpe)_2][MoBr_4(dppe)]$, 229
of $[(n\text{-}C_4H_9)_4N][Mo_3O_6(OCH_2CH_2Cl)\{(OCH_2)_3CCH_3\}_2]$, 47
of $[Cu_2(bipy)_2(H_2O)_2ox]SO_4 \cdot [Cu(bipy)ox]$, 59
of Cu(II) iodo complexes of diethylenetriamine, 275
of *cis*-dichloroethioninepalatinum(II), 117
of $[Et_4N]_2[Mo_2(CO)_3(S,O\text{-}C_6H_4\text{-}1,2)_3]$, 179
of $Fe_4Cl_8(THF)_6$, 11
of [(mbcy-C_6,N)Pd{μ-$Ph_2PC(=CH_2)PPh_2$}(μ-Cl)Pd(mbcy-C_6,N)]Cl·4$CHCl_3$, 171
of $(Me_3P)_2(HgI_2)_3$, 73
of Mn(II) complex with 2-[2-(2-pyridyl)ethylamino]-ethanethiol, 3
of $[Mo_2O_4(2,4,6\text{-}i\text{-}Pr_3C_6H_2S)_2(PPh_3)_2]$, 203
of Na hexacyanoosmate(II) decahydrate and related hexacyanometalate complexes, 89
of $(NEt_4)[TcNBr_4(OH_2)]$ and $Cs_2[TcNCl_5]$, 189
of $Os_3Pt(CO)_{11}(PPh_3)_2$, 271
of $(PPN)_2Mo_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)_3Cl_6$, 35
of $Zr_2Co_4(\mu_6\text{-}O)(\mu_2\text{-}OC_3H_7)_8(OC_3H_7)_2$(acetylacetone)$_4$, 167
Cyanide complexes
mechanism of photoinduced redox reactions in aqueous solutions of $[Fe(bpy)(CN)_4]^{2-}$, 97
Cyano complexes
crystal and molecular structure of Na hexacyanoosmate(II) decahydrate and related hexacyanometalate complexes, 89
Cyclometallated complexes
synthesis of cyclometallated compounds of *N*-(3-methoxy)benzylidenecyclohexylamine; crystal structure of novel cyclometallated bipalladium(II) complex [(mbcy-C_6,N)Pd{μ-$Ph_2PC(=CH_2)PPh_2$}(μ-Cl)Pd(mbcy-C_6,N)]Cl·4$CHCl_3$, 171
Cyclopentadienyl complexes
attempts to prepare 17-electron $(\eta^5\text{-}C_5H_5)MoX_2$(dmpe) (X = Cl, Br, I; dmpe = bis(dimethylphosphino)ethane) compounds; formation and X-ray molecular structure of $(\eta^5\text{-}C_5H_5)MoCl_3$(dmpe) and $[\eta^5\text{-}C_5H_5)Mo(dmpe)_2][MoBr_4(dppe)]$ (dppe = bis(diphenylphosphino)ethane), 229
FT-IR study of surface species derived from $[(\eta\text{-}C_5H_5)Ru(CO)_2]_2$ on oxide supports, 255

Dinuclear complexes
synthesis of cyclometallated compounds of *N*-(3-methoxy)benzylidenecyclohexylamine; crystal structure of novel cyclometallated bipalladium(II) complex [(mbcy-C_6,N)Pd{u-$Ph_2PC(=CH_2)PPh_2$}(μ-Cl)Pd(mbcy-C_6,N)]Cl·4$CHCl_3$, 171

Electrochemistry
electroanalytical investigation on reduction of high-spin octahedral complexes of Ni(II) with Schiff base ligands, 105
Os(III)*o*-semiquinonato complexes and their use as catalysts for oxidation of alcohols, 223
and spectroelectrochemistry of sulfate complexes of Fe porphyrins, 25
synthesis and electrochemical behavior of tetrametallated Co porphyrin, 293
Electronic conductivity
charge transfer in organic electron conductors with coordination complexes determined by IR absorption spectroscopy, 149
Electronic structure(s)
of μ-imidazolato [Mn(III)–Cu(II)] metalloporphyrin complex, 7
of Nd^{3+} and Eu^{3+} ions in their hexamethylphosphoramide complexes, 67
of poly-bis(μ-di-n-alkylphosphinato)Cu(II) compounds, 113

Halide complexes
crystal structure of Hg(II) halide–phosphine complex of unusual stoichiometry, $(Me_3P)_2(HgI_2)_3$, 73
new polynuclear compounds of Fe(II) chloride with oxygen donor ligands: $Fe_4Cl_8(THF)_6$; synthesis and single crystal X-ray structure determination, 11
Hydrido complexes
is $RuH_4(PPh_3)_3$ in solution indeed non-classical hydride, 195

Iron complexes
electrochemistry and spectroelectrochemistry of sulfate complexes of Fe porphyrins, 25
mechanism of photoinduced redox reactions in aqueous solutions of $[Fe(bpy)(CN)_4]^{2-}$, 97
mononitrosyl derivatives of Fe and Co complexes of quadridentate ligands from 2-hydroxy-1-naphthal-

dehyde and ethylenediamine, *o*-phenylenediamine, and 4-methyl-*o*-phenylenediamine, 157
new polynuclear compounds of Fe(II) chloride with oxygen donor ligands: $Fe_4Cl_8(THF)_6$; synthesis and single crystal X-ray structure determination, 11

Kinetics and mechanism
interaction between $[Cu(bipy)]^{2+}$ and oxalate in dimethyl sulfoxide; crystal structure of $[Cu_2(bipy)_2(H_2O)_2ox]SO_4 \cdot [Cu(bipy)ox]$, 59
mechanism of photoinduced redox reactions in aqueous solutions of $[Fe(bpy)(CN)_4]^{2-}$, 97
stability of Mn(III) and its redox reaction with Co(II) in aqueous azide medium, 133

Lanthanide complexes
absorption and emission spectroscopic parameters of Nd^{3+} and Eu^{3+} ions in their hexamethylphosphoramide complexes, 67

Macrocyclic ligand complexes
Ag(I)–Ag(I) interactions in complexes of pentadentate macrocyclic ligands; crystal and molecular structure of $[Ag_2L][BF_4]_2$ (L = 1,11-bis(2′-hydroxyethyl)-4,8;12,16;17,21-trinitrilo-1,2,10,11-tetraazacyclohenicosa-2,4,6,9,12,14,18,20-octaene), 239
Manganese complexes
μ-imidazolato [Mn(III)–Cu(II)] metalloporphyrin complex with novel ESR characteristics, 7
novel thiolate-bridged polynuclear Mn(II) complex with 2-[2-(2-pyridyl)ethylamino)ethanethiol, 3
stability of Mn(II) and its redox reaction with Co(II) in aqueous azide medium, 133
Mass spectrometry
doubly charged ions in mass spectra of mono- and binuclear metal carbonyl derivatives, 161
Mercury complexes
crystal structure of Hg(II) halide–phosphine complex of unusual stoichiometry, $(Me_3P)_2(HgI_2)_3$, 73
Metal complexes
charge transfer in organic electron conductors with coordination complexes determined by IR absorption spectroscopy, 149
doubly charged ions in mass spectra of mono- and binuclear metal carbonyl derivatives, 161
new precursors in chemistry of IVB transition metal alkoxides; synthesis and molecualr structure of $Zr_2Co_4(\mu_6\text{-}O)(\mu_2\text{-}OC_3H_7)_8(O(C_3H_7)_2$(acetylacetone)$_4$, 167
synthesis and complexation of new chiral α-diimine-type bioxazoline ligand with C_2 symmetry, 155
XPS study of metal complexes with unsymmetrical tetradentate Schiff base, 267
Molybdenum complexes
attempts to prepare 17-electron $(\eta^5\text{-}C_5H_5)MoX_2$(dmpe) (X = Cl, Br, I; dmpe = bis(dimethylphosphine)ethane) compounds; formation and X-ray molecular structure of $(\eta^5\text{-}C_5H_5)MoCl_3$(dmpe) and $[(\eta^5\text{-}C_5H_5)Mo(dmpe)_2][MoBr_4(dppe)]$ (dppe = bis(diphenylphosphino)ethane), 229
new Mo–S–O complexes containing O_3MoS_3 unit; synthesis, structure, X-ray photoelectron spectra and electrochemistry of novel mixed-valence dinuclear Mo complex, $[Et_4N]_2[Mo_2(CO)_3(S,O\text{-}C_6H_4\text{-}1,2)_3]$, 179
reactions of triangular $Mo_3S_7X_6^{2-}$ (X = Cl, Br, NCS) complexes with KSCN and KSeCN, resulting in stereoselective substitution of S atom in asymmetrically coordinated μ_2-S_2 ligand; X-ray structure of $(PPN)_2Mo_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)_3Cl_6$, 35
synthesis of Mo oxides by sol–gel method, 77
synthesis and structural characterization of binuclear Mo(V)–oxo complex which contains both thiolate and tertiary phosphine ligands, $[Mo_2O_4(2,4,6\text{-}i\text{-}Pr_3C_6H_2S)_2(PPh_3)_2]$, 203
trinuclear polyoxomolybdates; crystal and molecular structure of $[(n\text{-}C_4H_9)_4N][Mo_3O_6(OCH_2CH_2Cl)\{(OCH_2)_3CCH_3\}_2]$, 47
Mössbauer spectroscopy
Mössbauer spectroscopic investigations of intra- and intermolecularly coordinated organotin compounds, 83

Nickel complexes
electroanalytical investigation on reduction of high-spin octahedral complexes of Ni(II) with Schiff base ligands, 105
Nitrido complexes
nitridotechnetium(VI) aqueous solution chemistry, 151
preparation of Tc(VI) aquanitrido complexes $(NEt_4)[TcNX_4(OH_2)]$ (X = Cl or Br); crystal structures of $(NEt_4)[TcNBr_4(OH_2)]$ and $Cs_2[TcNCl_5)$, 189
Nucleoside complexes
crystal and molecular structure of *cis*-dichloroethioninplatinum(II) and its interaction with adenine, hypoxanthine, cytosine and their nucleosides, 117

Organic crystal complexes
charge transfer in organic electron conductors with coordination complexes determined by IR absorption spectroscopy, 149
Organotin complexes
Mössbauer spectroscopic investigations of intra- and intermolecularly coordinated organotin compounds, 83
Osmium complexes
crystal and molecular structure of Na hexacyanoosmate(II) decahydrate and related hexacyanometalate complexes, 89
Os(III)*o*-semiquinonato complexes and their use as catalysts for oxidation of alcohols, 223
synthesis of Os_3Pt clusters; X-ray crystal structure of $Os_3Pt(CO)_{11}(PPh_3)_2$, 271
Oxalato complexes
interaction between $[Cu(bipy)]^{2+}$ and oxalate in dimethyl sulfoxide; crystal structure of $[Cu_2(bipy)_2(H_2O)_2ox]SO_4 \cdot [Cu(bipy)ox]$, 59
Oxidation
Os(III)*o*-semiquinonato complexes and their use as catalysts for oxidation of alcohols, 223
reactivity and catalytic activity of $[RuBr_2(Me_2SO)_3]$, 17

Oxide complexes
synthesis of Mo oxides by sol–gel method, 77
Oxygen complexes
new Mo–S–O complexes containing O_3MoS_3 unit; synthesis, structure, X-ray photoelectron spectra and electrochemistry of novel mixed-valence dinuclear Mo complex, $[Et_4N]_2[Mo_2(CO)_3(S,O\text{-}C_6H_4\text{-}1,2)_3]$, 179
Oxygen ligand complexes
new polynuclear compounds of Fe(II) chloride with oxygen donor ligands: $Fe_4Cl_8(THF)_6$; synthesis and single crystal X-ray structure determination, 11
Oxo complexes
synthesis and structural characterization of binuclear Mo(V)–oxo complex which contains both thiolate and tertiary phosphine ligands, $[Mo_2O_4(2,4,6\text{-}i\text{-}Pr_3C_6H_2S)_2(PPh_3)_2]$, 203

Palladium complexes
synthesis of cyclometallated compounds of *N*-(3-methoxy)benzylidenecyclohexylamine; crystal structure of novel cyclometallated bipalladium(II) complex $[(mbcy\text{-}C_6,N)Pd\{\mu\text{-}Ph_2PC(=CH_2)PPh_2\}(\mu\text{-}Cl)Pd(mbcy\text{-}C_6,N)]Cl\cdot 4CHCl_3$, 171
Peptide complexes
synthesis, characterization and superoxide dismutase activity of some ternary Cu(II) dipeptide–2,2′-bipyridine, 1,10-phenanthroline and 2,9-dimethyl-1,10-phenanthroline complexes, 125
Photolysis
mechanism of photoinduced redox reactions in aqueous solutions of $[Fe(bpy)(CN)_4]^{2-}$, 97
Platinum complexes
aspartato(1,2-cyclohexanediamine)Pt(II); synthesis and characterization; effects of minor impurities on antitumor activity, 281
chemical and biological characterization of series of water soluble 1,2-diaminocyclohexane Pt(II) complexes, 289
crystal and molecular structure of *cis*-dichloroethioninplatinum(II) and its interaction with adenine, hypoxanthine, cytosine and their nucleosides, 117
synthesis of Os_3Pt clusters; X-ray crystal structure of $Os_3Pt(CO)_{11}(PPh_3)_2$, 271
Polydentate ligand complexes
synthesis and characterization
of Cu(II) iodo complexes of diethylenetriamine; isolation of iodo-bridged Cu(II) chain, 275
of $[M(C_8H_5N_2N{=}NH)_3](BPh_4)$, where M = Tc or Re; tris-diazene chelate complexes of Tc(I) and Re(I), 53
XPS study of poly-bis)μ-di-n-alkylphosphinato)Cu(II) compounds, 113
Polynuclear complexes
new polynuclear compounds of Fe(II) chloride with oxygen donor ligands; $Fe_4Cl_8(THF)_6$; synthesis and single crystal X-ray structure determination, 11
Polyoxomolybdate complexes
trinuclear polyoxomolybdates; crystal and molecular structure of $[(n\text{-}C_4H_9)_4N][Mo_3O_6(OCH_2CH_2Cl)\{(OCH_2)_3CCH_3\}_2]$, 47

Porphyrin complexes
electrochemistry and spectroelectrochemistry of sulfate complexes of Fe porphyrins, 25
μ-imidazolato [Mn(III)–Cu(II)] metalloporphyrin complex with novel ESR characteristics, 7
synthesis and electrochemical behavior of tetrametallated Co porphyrin, 293

Redox reaction
mechanism of photoinduced redox reactions in aqueous solutions of $[Fe(bpy)(CN)_4]^{2-}$, 97
Rhenium complexes
synthesis and characterization of $[M(C_8H_5N_2N{=}NH)_3](BPh_4)$, where M = Tc or Re; tris-diazene chelate complexes of Tc(I) and Re(I), 53
Ruthenium complexes
FT-IR study of surface species derived from $[(\eta\text{-}C_5H_5)Ru(CO)_2]_2$ on oxide supports, 255
reactivity and catalytic activity of $[RuBr_2(Me_2SO)_3]$, 17
is $RuH_4(PPh_3)_3$ in solution indeed non-classical hydride, 195

Schiff base complexes
electroanalytical investigation on reduction of high-spin octahedral complexes of Ni(II) with Schiff base ligands, 105
mononitrosyl derivatives of Fe and Co complexes of quadridentate ligands from 2-hydroxy-1-naphthaldehyde and ethylenediamine, *o*-phenylenediamine, and 4-methyl-*o*-phenylenediamine, 157
regio-isomerism in tetradentate Schiff bases and their Cu(II) complexes, 209
XPS study of metal complexes with unsymmetrical tetradentate Schiff base, 267
Semiquinone complexes
Os(III)*o*-semiquinonato complexes and their use as catalysts for oxidation of alcohols, 223
Silver complexes
Ag(I)–Ag(I) interactions in complexes of pentadentate macrocyclic ligands; crystal and molecular structure of $[Ag_2L_2][BF_4]_2$ (L = 1,11-bis(2′-hydroxyethyl)-4,8;12,16;17,21-trinitrilo-1,2,10,11-tetraazacyclohenicosa-2,4,6,9,12,14,18,20-octaene), 239
Sulfur complexes
new Mo–S–O complexes containing O_3MoS_3 unit; synthesis, structure, X-ray photoelectron spectra and electrochemistry of novel mixed-valence dinuclear Mo complex, $[Et_4N]_2[Mo_2(CO)_3(S,O\text{-}C_6H_4\text{-}1,2)_3]$, 179
reactions of triangular $Mo_3S_7X_6^{2-}$ (X = Cl, Br, NCS) complexes with KSCN and KSeCN, resulting in stereoselective substitution of S atom in asymmetrically coordinated μ_2-S_2 ligand; X-ray structure of $(PPN)_2Mo_3(\mu_3\text{-}S)(\mu_2\text{-}SSe)Cl_6$, 35
Superoxide dismutase
synthesis, characterization and superoxide dismutase activity of some ternary Cu(II) dipeptide–2,2′-bipyridine, 1,10-phenanthroline and 2,9-dimethyl-1,10-phenanthroline complexes, 125

Technetium complexes
nitridotechnetium(VI) aqueous solution chemistry, 151

preparation of Tc(VI) aquanitrido complexes (NEt_4)-$[TcNX_4(OH_2)]$ (X = Cl or Br); crystal structures of $(NEt_4)[TcNBr_4(OH_2)]$ and $Cs[TcNCl_5]$, 189
synthesis and characterization of $[M(C_8H_5N_2N{=}NH)_3](BPh_4)$, where M = Tc or Re; tris-diazene chelate complexes of Tc(I) and Re(I), 53
Thiocyanato complexes
stabilisation and characterisation by IR spectroscopy of different bonding modes of Cu(I) thiocyanate adsorbed on high surface area solids, 41
Thiolato complexes
novel thiolate-bridged polynuclear Mn(II) complex with 2-[2-(2-pyridyl)ethylamino]ethanethiol, 3
synthesis and structural characterization of binuclear Mo(V)–oxo complex which contains both thiolate and tertiary phosphine ligands, $[Mo_2O_4(2,4,6\text{-}i\text{-}Pr_3C_6H_4S)_2(PPh_3)_2]$, 203
Tin complexes
Mössbauer spectroscopic investigations of intra- and intermolecularly coordinated organotin compounds, 83
Transmetalation
cooperativity in metal exchange reactions of bis-(acetylacetonato)Cu(II) with $Co(NS)_2$ and $Zn(NS)_2$ reagents in methylene chloride, 245